

project profile



Renewable Curriculum

Facing declining enrollment and a need to differentiate its campus from competitors, Colby Community College leveraged Honeywell's expertise in aligning modern energy solutions with enhanced curriculum opportunities to attract new students while trimming its operating budget and upgrading its facilities.

Honeywell

Teaching tools that save money

The Customer

- Colby Community College is a two-year institution located in the city of Colby in northwest Kansas. Spread across a 140-acre campus, the college offers more than 60 academic and vocational programs.
- More than 800 students are enrolled at the college.

The Challenge

- Colby faced competition from area rival colleges and needed a way to differentiate itself with campus aesthetics and curriculum offerings to reverse declining enrollment numbers.
- The college also sought to address its aging infrastructure, trim energy use and reduce its operating costs.

Honeywell Solution

- Colby entered into a 25 year, \$4.5 million contract with Honeywell for a comprehensive facility program that brought renewable energy technologies to campus and addressed aging infrastructure with facility upgrades and equipment retrofits.
- As part of the program, Honeywell also deployed its ACT! Earth™ initiative, which includes an enhanced, energy-related curriculum and helps the college leverage newly-installed renewable technologies as a teaching resource.
- The program's energy and operational savings fund the equipment upgrades and facility retrofits, so the work requires no additional student fees or taxpayer dollars.
- Honeywell also provides supervised, coordinated work activities for a Colby-employed intern to support project management and assist with measurement and verification activities and renewable energy monitoring.

Key Technologies

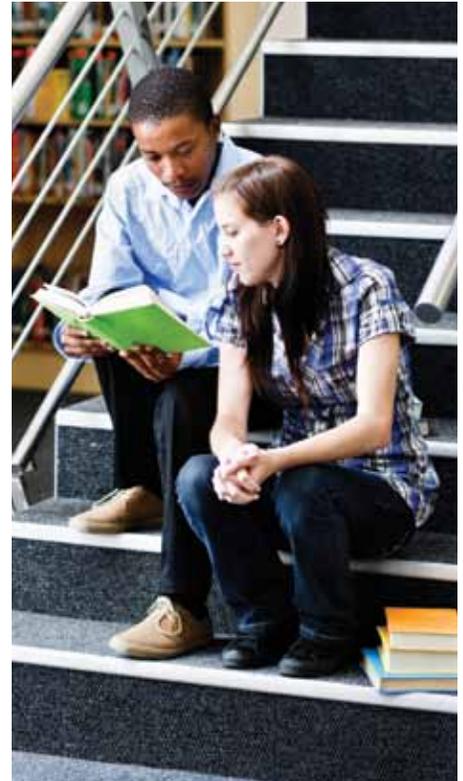
Honeywell's upgrades and installations at Colby include:

- Renewable energy technologies, including a 100-foot, 50-kilowatt wind tower and a 50-kilowatt roof-mounted solar array.
- Infrastructure upgrades, including boiler and water heater replacements, lighting retrofits, roofing improvements and campus submetering across 17 buildings.
- The replacement of the college's existing control systems with Honeywell's Enterprise Buildings Integrator building automation system.
- A new energy dashboard that allows the college to more easily identify areas of heavy energy use on campus and provides insight for facility personnel to identify opportunities for improved energy efficiency.

Guaranteed Impact

By working with Honeywell, Colby Community College can:

- Reduce campus energy use by 30 percent through planned upgrades and equipment installations.
- Reduce campus greenhouse emissions by 20 percent by relying more on renewable energy sources.
- Achieve more than \$1 million in operational and energy savings through the five-year facility modernization program.
- Incorporate energy and renewable-focused curriculum into the college's offerings through Honeywell's ACT! Earth education and awareness initiative.



“Differentiating an institution in the community college space is a difficult proposition. By working with Honeywell we are able to not only give our buildings and facilities a fresh look, but also offer our students value through improved curriculum and the ability to have hands-on access to state-of-the-art technologies.”

*— Dr. Stephen Vacik
President, Colby Community College*

Honeywell Building Solutions

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